

## WHAT IS CLAIMED IS:

Sub A<sup>1</sup> 1. A weather-based decision-making method utilizing an input device and at least one server, said method comprising the steps of:

receiving a user preference profile for a specific activity;

5 comparing the user preference profile with pre-stored weather information; and

providing the user at least one of a suggested time and a suggested location for the specific activity.

Sub B<sup>2</sup> 2. A method in accordance with Claim 1 wherein said step of receiving a user preference profile comprises the step of receiving from the input device a user preference profile for at least one activity.

3. A method in accordance with Claim 1 wherein said step of receiving a user profile comprises the step of receiving weather parameters including at least one of precipitation, wind, air temperature, humidity, location, road conditions, cross winds, visibility and time.

15 4. A method in accordance with Claim 1 further comprising the step of receiving updated weather information and storing the weather related information in a weather database.

20 5. A method in accordance with Claim 4 wherein said step of comparing the user preference profile comprises the step of comparing the user preference profile with information contained in the weather database.

6. A method in accordance with Claim 4 further comprising the step of monitoring the weather database and providing updated information to the user.

25 7. A method in accordance with Claim 1 further comprising the step of warning the user when input weather parameters have been exceeded.

8. A method in accordance with Claim 1 further comprising the step of warning the user when input weather parameters have been met.

9. A method in accordance with Claim 1 further comprising the step of determining whether one or more input weather parameters have been exceeded.

10. A method in accordance with Claim 1 further comprising the step of determining whether one or more input weather parameters have been met.

11. A method in accordance with Claim 4 further comprising the step of receiving weather information from at least one of NOAA reports, weather towers, traffic, video, and construction and closure reports.

12. A method in accordance with Claim 4 further comprising the step of receiving weather information from a plurality of surface mounted road sensors.

13. A method in accordance with Claim 1 wherein said step of providing the user at least one of a suggested time and a suggested location comprises the step of providing the user a suggested time and suggested location via a network.

14. A method in accordance with Claim 1 wherein said step of providing the user at least one of a suggested time and a suggested location via a network comprises the step of creating an entry in a personal electronic calendar for a time and a location at which weather parameters in the user preference profile are forecasted to be at least one of met and exceeded.

15. A method in accordance with Claim 13 wherein the network is one of the Internet, an intranet, a wide area network, and a local area network.

16. A method in accordance with Claim 3 wherein the location parameter includes a latitude and longitude for the activity.

17. A system for providing weather-based decisions, said system comprising:

a database comprising weather information; and

a server configured to prompt a user to provide a user profile for a specific activity, compare the user profile with forecasted weather information pre-stored in said database, and provide the user with at least one of a suggested time and a suggested location for the specific activity.

Sub B2 18. A system in accordance with Claim 17 wherein to prompt a user to provide a user profile, said server causes to be displayed on a user device a computer generated screen listing a plurality of weather parameter selections.

5 19. A system in accordance with Claim 17 wherein said server further configured to update weather forecasts into said database.

20. A system in accordance with Claim 19 wherein to compare the user profile, said server configured to compare the user profile with updated forecasted weather information stored in said database.

10 21. A system in accordance with Claim 17 wherein said server further configured to determine if any user profile weather parameters are exceeded by the information stored in said database, the weather parameters including precipitation, wind, air temperature, humidity, location, road conditions, cross winds, visibility and time.

15 22. A system in accordance with Claim 17 wherein said server further configured to determine if any user profile weather parameters are met by the information stored in said database, the weather parameters including precipitation, wind, air temperature, humidity, location, road conditions, cross winds, visibility and time.

Sub A5 20 23. A system in accordance with Claim 17 wherein to provide the user with at least one of a suggested time and a suggested location, said server causes to be displayed on a user device information related to appropriate times and locations for the specific activity to be performed during which times the weather conditions at those locations fall within the parameter selections made by the user.

25 24. A system in accordance with Claim 17 wherein to provide the user with at least one of a suggested time and a suggested location comprises the step of providing the user with a suggested time and suggested location via a network.

30 25. A system in accordance with Claim 24 wherein to provide the user with at least one of a suggested time and a suggested location via a network comprises the step of creating an entry in a personal electronic calendar for a time and a location at which weather parameters in the user preference profile are forecasted to be at least one of met and exceeded.

26. A computer programmed to:

prompt a user to provide a user profile for a specific activity;

compare the user profile with forecasted weather information pre-stored in said database; and

5 provide the user with at least one of a suggested time and a suggested location for the specific activity.

*Sub B21* 27. A computer in accordance with Claim 26 wherein to prompt a user to provide a user profile, said computer causes to be displayed on a user device a computer generated screen listing a plurality of weather parameter selections.

10 28. A computer in accordance with Claim 26 wherein said computer further configured to update the pre-stored forecasted weather information, said computer configured to compare the user profile with updated, pre-stored, forecasted weather information.

15 29. A computer in accordance with Claim 26 wherein said computer further configured to determine if any user profile weather parameters are exceeded by the pre-stored weather information.

30. A computer in accordance with Claim 26 wherein said computer further configured to determine if any user profile weather parameters are exceeded by the pre-stored weather information.

20 31. A computer in accordance with Claim 27 wherein to provide the user with at least one of a suggested time and a suggested location, said computer causes to be displayed on a user device information related to appropriate times and locations for the specific activity to be performed during which times the weather conditions at those locations are forecasted to fall within the parameter selections  
25 made by the user.

32. A computer in accordance with Claim 26 wherein to provide the user with at least one of a suggested time and a suggested location, said computer causes to be displayed on a user device information related to a suggested time and a suggested location via a network.

33. A computer in accordance with Claim 32 wherein to provide the user with at least one of a suggested time and a suggested location via a network, said computer causes an entry to be created in a personal electronic calendar for a time and a location at which weather parameters in the user preference profile are forecasted to be met.

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34. A computer in accordance with Claim 32 wherein to provide the user with at least one of a suggested time and a suggested location via a network, said computer causes an entry to be created in a personal electronic calendar for a time and a location at which weather parameters in the user preference profile are forecasted to be exceeded.

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